Journal of Fluid Mechanics Volume 510 **10 July 2004**

A. Cenedese & P. Monti	Proper orthogonal decomposition in the analysis of a laboratory simulation of land- and sea-breeze regimes	1
É. Lorenceau & D. Quéré	Drops on a conical wire	29
B. Andreotti	A two-species model of aeolian sand transport	47
G. G. Joseph & M. L. Hunt	Oblique particle–wall collisions in a liquid	71
A. K. Wåhlin	Topographic advection of dense bottom water	95
A. Darabi & I. Wygnanski	Active management of naturally separated flow over a solid surface. Part 1. The forced reattachment process	105
A. Darabi & I. Wygnanski	Active management of naturally separated flow over a solid surface. Part 2. The separation process	131
C. Clanet & G. Searby	On the glug-glug of ideal bottles	145
M. R. E. Warner, R. V. Craster & O. K. Matar	Fingering phenomena associated with insoluble surfactant spreading on thin liquid films	169
Y. Kimura & S. Koikari	Particle transport by a vortex soliton	201
S. Dong & H. Meng	Flow past a trapezoidal tab	219
C. L. Chan, Y. Yu & C. F. Chen	Stability of convection of an ethanol–water solution in a vertical tank	243
K. A. Belibassakis & G. A. Athanassoulis	Three-dimensional Green's function for harmonic water waves over a bottom topography with different depths at infinity	267
J. D. Eldredge	On the interaction of higher duct modes with a perforated liner system with bias flow	303
W. Tang, C. P. Caulfield & W. R. Young	Bounds on dissipation in stress-driven flow	333
N. Z. Mehdizadeh, S. Chandra & J. Mostaghimi	Formation of fingers around the edges of a drop hitting a metal plate with high velocity	353
BOOK REVIEWS		
	Optical Metrology for Fluids, Combustion and Solids, edited by C. Mercer	374
	A Gallery of Fluid Motion, edited by M. Samimy, K. S. Breuer, L. G. Leal & P. H. Steen	374
INDEX TO VOLUME 510		378
SCHEDULE OF INTERNATIONAL CONFERENCES ON FLUID MECHANICS		379

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200407)510;1-A